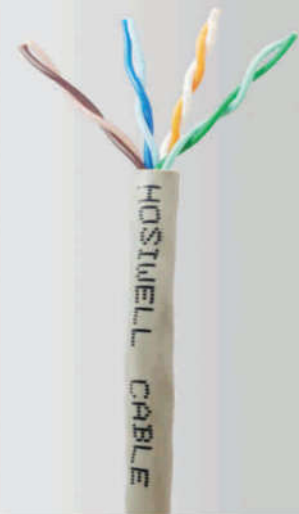


# Hosiwell Cat.5e UTP Patch Cable Horizontal Cable

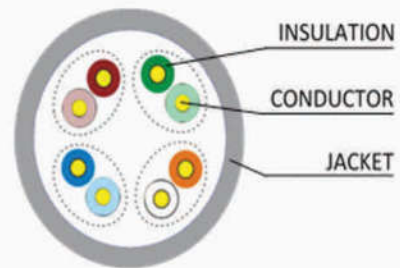


As a premium network cable manufacturer, Hosiwell manufactures the Cat.5e Patch Cable Horizontal Cable series product in best quality. It is tested to 100MHz frequency range and designed to support Gigabit 1000 Base-T and 1000Base-Tx applications to full 100m. Hosiwell Category 5.e UTP Patch cable are UL listed CMR and standard packing will be 305m easy pull out boxes.

## CABLE CONSTRUCTION

P/N 30001-GR

|                      |                                  |
|----------------------|----------------------------------|
| Conductor            | 24 AWG Stranded Bare Copper Wire |
| Insulation           | High Density Polyethylene (HDPE) |
| Outer Jacket, Colour | Flame retardant PVC jacket, Grey |



## PHYSICAL CHARACTERISTICS

|                               |                          |
|-------------------------------|--------------------------|
| Conductor Diameter (Nominal)  | 0.50 ± 0.02 mm (7x0.2mm) |
| Insulation Thickness          | 0.18 mm                  |
| Conductor Unit Identification | Solid/Stripe             |
| Colour Code                   | Per TIA/EIA 568-B        |
| Total Number of Wires         | 8                        |
| Conductor Unit Lay-Up         | Pairs                    |
| Outer Jacket thickness        | 0.60 mm                  |
| Norm. Diameter                | 5.10 mm ± 0.02 mm        |

## COMPLIANCE

- IEEE 802.af, IEEE 802.3at PoE applications.
- ANSI/TIA-568-B.2 Cat.5e Standard
- UL type CMR ( 135928)
- CSA type CMG FT4 (LL80602)
- ETL Certificate
- Verified to Cat.5 ISO/IEC 11801

## ELECTRICAL CHARACTERISTICS

|                               |             |
|-------------------------------|-------------|
| DC Resistance (max.)          | 8.76 Ω/100m |
| DC Resistance Unbalance (max) | 5%          |
| Characteristic Impedance      | 100 ± 15% Ω |
| Propagation delay at 100 MHz  | 538 ns/100m |
| Delay skew ( max.)            | 45 ns/100m  |

## JACKET CHARACTERISTICS

Flame Retardant PVC Jacket  
Standard Lengths are : 1000 feet (305 meter)

Marking on cable surface : HOSIWELL CABLE E135928-T (UL) CMR 4PR 24AWG 75°C ETL VERIFIED TO TIA/EIA-568-B.2 CAT.5 ALSO VERIFIED TO CAT.5 PATCH CABLE

## APPLICATIONS

For Equipment room, Telecommunication closet and work Area application.

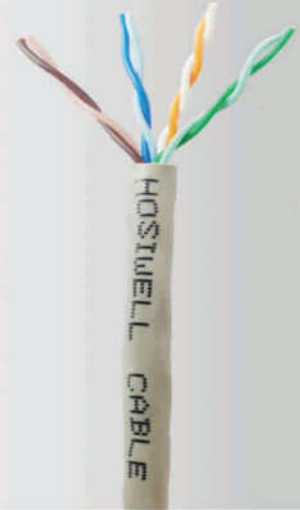




**HOSIWELL**

Worldwide leading cable manufacturer

Lan Wire Cable



## Hosiwell Cat.5e UTP Patch Cable Horizontal Cable



| "Freg<br>( Mhz)" | "Atten.<br>dB/100m<br>max" | "NEXT<br>dB(min)" | "PS-<br>NEXT<br>dB(Min)" | "ELFEXT<br>bB(min)" | "PS-<br>ELFEXT<br>bB(min)" | "Return<br>Loss<br>bB(min)" | "Propagation<br>delay<br>Max. delay<br>( ns/100m)" |
|------------------|----------------------------|-------------------|--------------------------|---------------------|----------------------------|-----------------------------|--|
| 0.772            | 2.1                        | 67.0              | 64.0                     | 66.1                | 63.1                       | -                           | -  |
| 1                | 2.4                        | 65.3              | 62.3                     | 63.8                | 60.8                       | 20.0                        | 570  |
| 4                | 4.8                        | 56.3              | 53.3                     | 51.8                | 48.8                       | 23.0                        | 552  |
| 8                | 6.9                        | 51.8              | 48.8                     | 45.8                | 42.8                       | 24.6                        | 546  |
| 10               | 7.7                        | 50.3              | 47.3                     | 43.8                | 40.8                       | 25.0                        | 545  |
| 16               | 9.9                        | 47.3              | 44.3                     | 39.8                | 36.8                       | 25.0                        | 543  |
| 20               | 11.1                       | 45.8              | 42.8                     | 37.8                | 34.8                       | 25.0                        | 542  |
| 25               | 12.5                       | 44.4              | 41.4                     | 35.9                | 32.9                       | 24.2                        | 541  |
| 31.25            | 14.0                       | 42.9              | 39.9                     | 33.9                | 30.9                       | 23.4                        | 540  |
| 62.5             | 20.3                       | 38.4              | 35.4                     | 27.9                | 24.9                       | 20.8                        | 538  |
| 100              | 26.3                       | 35.3              | 32.3                     | 23.8                | 20.8                       | 19.0                        | 537  |
| 200              | 38.9                       | 30.8              | 27.8                     | 17.8                | 14.8                       | 16.4                        | 536  |
| 250              | 44.2                       | 29.4              | 26.4                     | 15.9                | 12.9                       | 15.6                        | 536  |
| 350              | 53.8                       | 27.2              | 24.2                     | 13.0                | 10.0                       | 14.3                        | 535  |

**COLOR CODE:**

Pair 1 = Blue – Light Blue

Pair 2 = Orange – White

Pair 3 = Green – Light Green

Pair 4 = Brown – Light Brown